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| | | U | S. PATENT | DOCUMENTS | ··· | | | | |
| Examiner Initial | Document Number | Date | | Name | | Subclass | Filing Page if | | |
| SINT | 3,372,834 | 03/1968 | Ayotte et | | | | 9 | | |
| | 3,430,798 | 03/1969 | Goyet et | al. | | | | | |
| | 3,910,444 | 10/1975 | Foster | | | | | | |
| | 3,955,696 | 05/1976 | Finke | | | | | | |
| | 3,982,651 | 09/1976 | Braun et | al. | | | | | |
| 4 | 6,330,959 | 12/2001 | Dark | | | | | | |
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| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NA | ME | | CLA | 7 | SUB | CKASS | FILING (IF / | DATE |
| 7~5 | AA | 697,371 | 04/1902 | Sindorf | | | | \perp | 9 | Z | V | 7 |
| | AB | 1,615,157 | 01/1927 | Baum | | | | | <u> </u> | | ļ | |
| | AC | 2,721,595 | 10/1955 | Nichols | | | | +- | <u> </u> | + | - | |
| | AD AE | 3,136,458 3,252,446 | 06/1964 05/1966 | Ruetz Bateman | | | - | + | | + | | l |
| | AF | 3,896,959 | 07/1975 | Roy | | ······································ | | + | | + | | |
| | AG | 3,964,605 | 06/1976 | Vezirian | | ····· | | T | | 1 | | |
| | AH | 4,171,057 | 10/1979 | Gach | - | | | + | | + | | |
| | AI | 4,511,050 | 04/1985 | Nicol | | | | + | | | | |
| | AJ | 5,384,096 | 01/1995 | Burns | | | | † | | | | |
| | AK | 5,458,854 | 10/1995 | Burns | | | | 1 | | 1 | | |
| | AL | 5,927,531 | 07/1999 | Kuzma et al. | | | | | | | | |
| | AM | | 05/2000 | Pierpont | | | | 1 | | 1 | | |
| , | AN | 6,394,295 | 05/2002 | Claude | | | | | | | | |
| A | AO | 6,426,049 | 07/2002 | Rosen et al. | | | | | | | | \ |
| | | | FOF | REIGN PATENT I | OCUM | ENTS | | | | | | <u> </u> |
| | | DOCUMENT NO. | DATE | COUNT | RY | CLASS | S | UBCL | ASS | TRANS YES | LATION | NO. |
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| | | OTHER DO | CUMENT | S (Including Author | r, Title, I | Date, Per | tine | nt Pa | iges, | Etc.) | | |
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| EXAMINER INITIAL | | DOCUMENT NUMBER | D | ATE | NAME | | | ci ass | SUB | cias . | FILING DATE (IF APPROPRIATE) | | |
| MS | AA | 3,468,447 | | 9/1969 | Smalley | | | | ļ . | | Lef . | | |
| | AB AC | 3,476,278 5,529,202 | | 1/1969 6/1996 | Löllmann Shamis | | | | | +- | | | |
| | AD | 5,944,208 | | 8/1999 | Gale | | | | | 1 | | | |
| | AE | US2001/00 | | 0/2001 | Stull et al. | | | | | - 0 | | | |
| | | DOCUMENT NO. | F | OREIGN | PATENT I | | IENTS CLASS | SUBG | CLASS | TRAN | NSLATION NO | | |
| | | OTHER DO | CUME | NTS (Incl | uding Author | r, Title, l | Date, Pe | ertinent | Pages | s, Etc.) | | | |
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| EXAMINER: | Initial | if citation consider and not considered | ed, whether | or noticitation | is in conformance m with next comm | e with MPE unication to | P 609; Dra applicant. | w line thro | igh cita | tion | | | |